Karunia Putra Wijaya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11930468/publications.pdf

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22	208	1163117 8	1125743 13
papers	citations	h-index	g-index

22	22	22	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transport of ellipsoidal microplastic particles in a 3D lid-driven cavity under size and aspect ratio variation. Applied Mathematics and Computation, 2022, 413, 126646.	2.2	2
2	A model for type I diabetes in an HIV-infected patient under highly active antiretroviral therapy. Chaos, Solitons and Fractals, 2022, 155, 111716.	5.1	2
3	Reassessment of contact restrictions and testing campaigns against COVID-19 via spatio-temporal modeling. Nonlinear Dynamics, 2022, 107, 3085-3109.	5.2	3
4	An age-dependent model for dengue transmission: Analysis and comparison to field data. Applied Mathematics and Computation, 2021, 388, 125538.	2.2	5
5	A modeling study of predatorâ€“prey interaction propounding honest signals and cues. Applied Mathematical Modelling, 2021, 89, 1405-1417.	4.2	6
6	Learning from panel data of dengue incidence and meteorological factors in Jakarta, Indonesia. Stochastic Environmental Research and Risk Assessment, 2021, 35, 437-456.	4.0	8
7	An epidemic model integrating direct and fomite transmission as well as household structure applied to COVID-19. Journal of Mathematics in Industry, 2021, 11, 1.	1.2	19
8	Interrelationship between daily COVID-19 cases and average temperature as well as relative humidity in Germany. Scientific Reports, 2021, 11, 11302.	3.3	21
9	Food sharing and time budgeting in predator-prey interaction. Communications in Nonlinear Science and Numerical Simulation, 2021, 97, 105757.	3.3	7
10	A dengue epidemic model highlighting verticalâ€“sexual transmission and impulsive control strategies. Applied Mathematical Modelling, 2021, 95, 279-296.	4.2	5
11	An epidemic model highlighting humane social awareness and vectorâ€“host lifespan ratio variation. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105389.	3.3	8
12	Learning the seasonality of disease incidences from empirical data. Ecological Complexity, 2019, 38, 83-97.	2.9	13
13	Assessing the interplay between dengue incidence and weather in Jakarta via a clustering integrated multiple regression model. Ecological Complexity, 2019, 39, 100768.	2.9	12
14	An SIR-Dengue transmission model with seasonal effects and impulsive control. Mathematical Biosciences, 2017, 289, 29-39.	1.9	37
15	Modeling dengue data from Semarang, Indonesia. Ecological Complexity, 2017, 30, 57-62.	2.9	22
16	On the existence of a nontrivial equilibrium in relation to the basic reproductive number. International Journal of Applied Mathematics and Computer Science, 2017, 27, 623-636.	1.5	8
17	Solving bi-objective optimal control problems with rectangular framing. AIP Conference Proceedings, 2016, , .	0.4	0
18	Advances in mosquito dynamics modeling. Mathematical Methods in the Applied Sciences, 2016, 39, 4750-4763.	2.3	5

#	Article	IF	Citations
19	Optimization problems in epidemiology, biomechanics & medicine. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2015, 7, 25-32.	1.1	5
20	An optimal control model of mosquito reduction management in a dengue endemic region. International Journal of Biomathematics, 2014, 07, 1450056.	2.9	10
21	Temephos spraying and thermal fogging efficacy on Aedes aegypti in homogeneous urban residences. ScienceAsia, 2013, 39S, 48.	0.5	9
22	Trajectory following method on output tracking of non-linear non-minimum phase systems. , 2012, , .		1